

For Research Use Only

# Anti-Mouse CD45R (B220) (RA3-6B2)



Catalog Number: 65139-1-Ig

1 Publications

## Basic Information

Catalog Number:

65139-1-Ig

Size:

500ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC028512

GeneID (NCBI):

19264

UNIPROT ID:

P06800

Full Name:

protein tyrosine phosphatase,  
receptor type, C

Purification Method:

Affinity purification

CloneNo.:

RA3-6B2

Recommended Dilutions:

IF/ICC 1:250-1:1000

## Applications

Tested Applications:

IF/ICC, FC

Cited Applications:

IF

Species Specificity:

mouse

Cited Species:

mouse

Positive Controls:

IF/ICC : mouse splenocytes,

## Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097). CD45R (B220) is an isoform of CD45, expressed on murine B-lineage cells (except for plasma cells) and on a small sub-population of T cells (PMID: 6975314; 15712182). It is commonly used as a pan B-cell marker in mice. CD45R is also expressed on activated T cells and NK cell subsets (PMID: 7514808; 17923504). The RA3-6B2 clone reacts with human and mouse CD45R.

## Notable Publications

| Author    | Pubmed ID | Journal       | Application |
|-----------|-----------|---------------|-------------|
| Riko Niwa | 36524622  | Thorac Cancer | IF          |

## Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

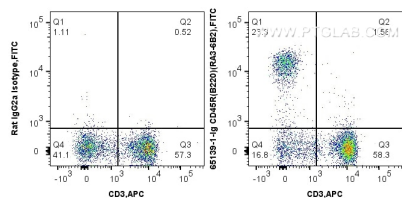
For technical support and original validation data for this product please contact:

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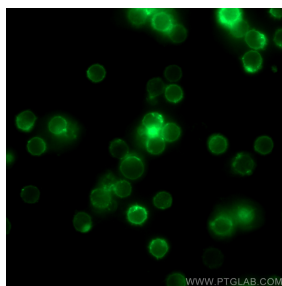
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> C57BL/c mouse splenocytes were surface co-stained with APC Anti-Mouse CD3 and 0.5 ug Anti-Mouse CD45R (B220) (65139-1-Ig, Clone: RA3-6B2) or 0.5 ug Isotype Control. Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CD45R (B220) antibody (65139-1-Ig, Clone: RA3-6B2) at dilution of 1:500 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).